1 CLAIMS

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3 WHAT IS CLAIMED IS:

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5 1.   A method for providing a visitor safe wireless printer

6 access point, the method comprising:

7   connecting a wireless computing device to a wireless

8 network, where the wireless network provides a public

9 access point to a print spooling device;

10   determining all available printers in a secure wired

11 network;

12   selecting one of available printers for printing;

13   establishing a print path through the spooling device

14 to the selected printer;

15   sending a print job via the wireless network to the

16 spooling device;

17   spooling the print job on the spooling device; and

18   sending the print job via the secure wired network to

19 the selected printer.

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21 2.   The method of claim 1, wherein the print job is split

22 into network packets and transmitted to the spooling

23 device, if the packets are allowed packets.

24

1 3.   The method of claim 2, wherein the packets are checked

2 by the public access point device.

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4 4.   The method of claim 2, further comprising:

5   in response to receipt of an allowed packet by the

6 spooling device, launching a print web page that shows at

7 least one available printer in the secure wired network.

8

9 5.   The method of claim 1, further comprising:

10   if the packet is not an allowed packet, then

11 preventing the mobile wireless device from accessing a

12 secure device in the secured wired network.

13

14 6.   The method of claim 1, wherein the action of

15 determining all available printers in a secure wired

16 network comprises:

17   starting a utility application in the wireless device,

18 where the utility application comprises a browser that is

19 directed to the spooling device.

20

21 7.   The method of claim 1, wherein the action of

22 determining all available printers in a secure wired

23 network comprises:

1	starting a utility application in the wireless device,

2	where the utility application comprises a network printer

3	application that is configured to discover the available

4	printers through the spooling device.

5

6	8.	The method of claim 1, further comprising:

7	downloading a printer driver from the spooling device

8	to the wireless device; and

9	initiating the printer driver in the wireless device.

10

11	9.	The method of claim 1, further comprising:

12	relaying a print job status from the printer, via the

13	secure wired network, to the spooling device; and

14	relaying the print job status from the spooling

15	device, via the wireless network, to the wireless device.

16

17	10.	The method of claim 1, wherein the wireless network is

18	a wireless PRINT network.

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20	11.	The method of claim 10, wherein the wireless PRINT

21	network is a public access point to at least one print

22	spooling device.

23

1   12.   The method of claim 1, wherein the spooling device is

2   configured to act as a bridge to send print jobs from the

3   wireless device to the selected printer.

4

5   13.   The method of claim 1, wherein the spooling device is

6   configured to act as a firewall to prevent access to a

7   secure device in the secured wired network.

8

9   14.   An apparatus for providing a visitor safe wireless

10   printer access point, the apparatus comprising:

11   means connecting a wireless computing device to a

12   wireless network;

13   means for transmitting the packet to a spooling

14   device, if the packet is an allowed packet;

15   means for downloading a printer driver and a printer

16   driver information to the wireless computing device, and

17   initializing the printer driver; and

18   means for using the wireless computing device to print

19   via the available printer in the secure wired network.

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21   15.   An apparatus for permitting print operations from a

22   network printer in a secure wired network, the apparatus

23   comprising:

1   a wireless computing device configured to connect to a

2   wireless network, the wireless network including a public

3   access point;

4   a print spooling device that is accessed from the

5   public access point;

6   wherein a print job is sent from the wireless

7   computing device via the wireless network to the spooling

8   device; and

9   wherein the print job is spooled on the spooling

10 device and the print job is sent via a secure wired network

11 to a selected printer.

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13 16. The apparatus of claim 15, wherein the print job is

14 split into network packets and transmitted to the spooling

15 device, if the packets are allowed packets.

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17 17. The apparatus of claim 16, wherein the packets are

18 checked by the public access point.

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20 18. The apparatus of claim 16, wherein the spooling device

21 is configured to launch a print web page that shows at

22 least one available printer in the secure wired network, in

23 response to receipt of an allowed packet by the spooling

24 device.

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2 19. The apparatus of claim 15, wherein the mobile wireless

3 device is prevented from accessing a secure device in the

4 secured wired network, if the packet is not an allowed

5 packet.

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7 20. The apparatus of claim 15, wherein the mobile wireless

8 device is configured to start a utility application, where

9 the utility application comprises a browser that is

10 directed to the spooling device.

11

12 21. The apparatus of claim 15, wherein the mobile wireless

13 device is configured to start a utility application, where

14 the utility application comprises a network printer

15 application that is configured to discover the available

16 printers through the spooling device.

17

18 22. The apparatus of claim 15, wherein the spooling device

19 is configured to download a printer driver to the wireless

20 device, and wherein the printer driver is initiated in the

21 wireless device.

22

23 23. The apparatus of claim 15, wherein a status of the

24 print job is relayed from the printer, via the secure wired

1 network, to the spooling device; and wherein the status of

2 the print job is also relayed from the spooling device, via

3 the wireless network, to the wireless device.

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5 24. The apparatus of claim 15, wherein the wireless

6 network is a wireless PRINT network.

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8 25. The apparatus of claim 15, wherein the spooling device

9 is configured to act as a bridge to send print jobs from

10 the wireless device to the selected printer.

11

12 26. The apparatus of claim 15, wherein the spooling device

13 is configured to act as a firewall to prevent access to a

14 secure device in the secured wired network.

15

16 27. An apparatus for providing a visitor safe wireless

17 printer access point, the apparatus comprising:

18 a wireless computing device configured to connect to a

19 wireless network with a printer access point device;

20 a spooling device configured to download a printer

21 driver and a printer driver information to the wireless

22 computing device; and

23 wherein the spooling device is configured to check a

24 packet from the wireless computing device in order to

1   determine if the wireless computing device is attempting to

2   connect to an available printer in a secure wired network,

3   and to transmit the packet to the spooling device if the

4   packet is an allowed packet, so that the wireless computing

5   device can be used to print via the available printer in

6   the secure wired network.

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8   28.   The apparatus of claim 27, wherein the printer access

9   point device is configured to check standard wireless

10 security settings.

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12 29.   The apparatus of claim 27, wherein the spooler device

13 is configured to launch a print web page that shows at

14 least one available printer in the secure wired network, in

15 response to receipt of an allowed packet.

16

17 30.   The apparatus of claim 27, wherein the printer access

18 point device prevents the mobile wireless device from

19 accessing a secured device in the secured wired network, if

20 the wireless security settings are not correct.

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22 31.   An article of manufacture, comprising:

23   a machine-readable medium having stored thereon

24 instructions to:

1   connect a wireless computing device to a wireless

2 network, where the wireless network provides a public

3 access point to a print spooling device;

4   determine all available printers in a secure wired

5 network;

6   select one of available printers for printing;

7   establish a print path through the spooling device to

8 the selected printer;

9   send a print job via the wireless network to the

10 spooling device, where the print job is spooled in a

11 spooling device and sent via the secured wired network to

12 the selected printer.